

Abstract

The invention relates to a fuel injection system for an internal combustion engine, having a fuel injector (10), which can be supplied with fuel from a high-pressure fuel source (1, 4) and which includes an injection valve member (37), opening or closing injection openings (43), and contains a low-pressure circuit (64) with a prefeed pump (55), which pumps fuel from a fuel tank (14), characterized in that partial return quantities, depressurized to the prefeed pressure of the prefeed pump (55), are delivered to the low-pressure circuit (54) by pressure boosters (7, 52) or by fuel injectors (10) inside an infeed portion (60) via returns (50, 52; 13, 53).

10 (Fig. 3)